

PATENT COOPERATION TREATION 1 6 JUL 2004 PCT 10/501733

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 14 JAN 2004

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	icant's	-	ent's file reference	FOR FURTHER A	CTION	See Notification Preliminary Exa	of Transmitted PCT/PEA/	1 416)
International application No. International fit PCT/NL 03/00003 07.01.2003				International filing date 07.01.2003	te (day/month/year) Priority date (day/month/year) 25.01.2002			
1	International Patent Classification (IPC) or both national classification and IPC C08G69/04							
Applicant DSM IP ASSETS B.V. et al.								
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.								
2.	This REPORT consists of a total of 5 sheets, including this cover sheet.							
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of sheets.						n have uthority	
3.	This	repoi	t contains indications rel	ating to the following it	ems:			
	I	\boxtimes	Basis of the opinion					
	H		Priority					
	Ш		Non-establishment of o	pinion with regard to n	ovelty, in	iventive step ai	nd industrial applicability	
	IV		Lack of unity of invention				•	
	٧	⊠ _	Reasoned statement uncitations and explanation	nder Rule 66.2(a)(ii) w ons supporting such st	ith regard atement	d to novelty, inv	entive step or industrial applica	bility;
	VI		Certain documents cite					
	VII		Certain defects in the in	• •				
	VIII		Certain observations or	n the international appl	ication			
Date of submission of the demand					Date of	completion of this	s report	
09.0	09.07.2003				12.01.2004			
Name and mailing address of the International					Authoriz	ed Officer	<i>.</i>	OESPA
preliminary examining authority: European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465				6 epmu d	Gerbei Telephoi	r, M ne No. +49 89 23	899-8528	



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/NL 03/00003

I.	Bas	2is	of	the	ren	ort

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	De	Description, Pages						
	1-1	7	as originally filed					
	Cla	ims, Numbers						
		-	and a single-office of					
	1-1	3	as originally filed					
2.	Wit lan	With regard to the language , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.						
	The	These elements were available or furnished to this Authority in the following language: , which is:						
	☐ the language of a translation furnished for the purposes of the international search (under Rule							
		the language of publ	ication of the international application (under Rule 48.3(b)).					
		the language of a tra Rule 55.2 and/or 55.	nslation furnished for the purposes of international preliminary examination (under 3).					
3.	otide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:							
		contained in the inte	rnational application in written form.					
		filed together with the	e international application in computer readable form.					
		furnished subsequer	ntly to this Authority in written form.					
		furnished subsequer	ntly to this Authority in computer readable form.					
		The statement that the international a	ne subsequently furnished written sequence listing does not go beyond the disclosure pplication as filed has been furnished.					
		The statement that the listing has been furnit	ne information recorded in computer readable form is identical to the written sequence shed.					
4.	The	amendments have re	esulted in the cancellation of:					
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					
5.		This report has been been considered to g	established as if (some of) the amendments had not been made, since they have go beyond the disclosure as filed (Rule 70.2(c)).					
		(Any replacement sh report.)	eet containing such amendments must be referred to under item 1 and annexed to this					
6.	Add	itional observations, i	f necessary:					



INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

International application No.

PCT/NL 03/00003

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims No:

No:

1-13

Inventive step (IS)

Yes: Claims

Claims

Claims

Claims

1-13

Industrial applicability (IA)

Yes: Claims

1-13

No:

2. Citations and explanations

see separate sheet



INTERNATIONAL PRELIMINARY **EXAMINATION REPORT - SEPARATE SHEET**



Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following documents:

D1: EP-A-0 732 351 (FISCHER KARL IND GMBH) 18 September 1996, cited in the application

D2: US-A-3 821 171 (BEATON D) 28 June 1974, cited in the application

D3: US-A-5 955 569 (DUJARI RAMDAS ET AL) 21 September 1999

D4: US-A-5 859 177 (BERGER LUZIUS ET AL) 12 January 1999

1. Novelty

EP-A-0 732 351, which is deemed to represent the closest prior art, discloses a solidstate post-condensation process involving a polyamide, which is aimed at increasing the molecular weight thereof, the dew point of the inert gas ranging from 0 to 30°C. The subject-matter of claim 1 differs from D1 in that there is no mention of dew point for the gas atmosphere.

The subject-matter of claims 1-13 is therefore novel over the available state of the art (Article 33(2) PCT).

2. Inventive step

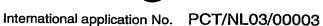
The problem to be solved by the present invention may be regarded as to provide a process which enables to obtain a polyamide with increased molecular weight in shorter time with limited yellowing.

It is apparent from tables 1-3 that the fact of performing the SSPC process in two steps in inert gas atmospheres exhibiting different dew points results in polymers with higher viscosities in the same reaction time or require a shorter reaction time to reach the same viscosity level.

This was not foreseeable from the prior art and thus the subject-matter of claims 1-13 can be considered inventive (Article 33(3) PCT).



INTERNATIONAL PRELIMINARY



EXAMINATION REPORT - SEPARATE SHEET

3. Industrial applicability

The subject-matter of present claims 1-13 appears to comply with the requirements of industrial applicability as stipulated in Article 33(4) PCT.